

Graphing Again

Name: _____

A student interested in nature decided to keep track of the growth of a tree in her back yard. At the beginning of this activity the tree was 1.5 m tall. Over the next several years the student accumulated the following data:

Age (years)	Height (m)
0	1.5
1	1.85
2	2.25
3	2.55
4	2.95
5	3.35
6	3.65

1. Graph the data using an “x-y scatter” graph and draw in a best fit line.

2. What are the two variables used in the experiment?

_____ and _____

3. Which variable is the independent variable and which is the dependent variable?

Independent variable = _____

Dependent variable = _____

4. What units are used for the independent variable? _____

5. What does the “curve” look like? _____

6. What is the title for this graph? _____

7. What is the Y-intercept of this graph? _____

8. What is the slope of the graph?

9. What is the meaning of the slope?

